

-20-

What is claimed is:

1. A mechanism for attaching a boot to a ski, the mechanism comprising structure for pivotly attaching a toe end portion of the boot to a ski and structure for height adjustably attaching a heel end portion of the boot to the ski, said height adjusting structure comprising a pair of members extendable from the heel end portion and the ski respectively and having surfaces respectively for facing each other, each of said members having a plurality of serrations in said respective surface for engaging complementary ones of said serrations in said surface of an other of said members at various heights of the heel end portion, and at least one fastener for connecting said members at various heights of the heel end portion.

2. A mechanism according to claim 1 further comprising a track on said heel end portion for slidably engaging an end portion of said member which is extendable from the heel end portion.

3. A mechanism according to claim 1 further comprising plates on the boot and ski respectively to which said height adjusting structure is pivotly attached.

4. A mechanism according to claim 3 further comprising a cut out in a rear end of said boot plate, and said member extendable from the heel end portion being pivotly attached in said cut out.

5. A mechanism according to claim 3 further comprising a pivot for laterally adjustably tilting said boot plate and at least one fastener for fixing said boot plate at a laterally adjusted position.

6. A mechanism according to claim 1 wherein each of said

-21-

members has a width equal substantially to a width of the ski.

7. A mechanism for attaching a boot to a ski, the mechanism comprising structure pivotly attaching a toe-end portion of the boot to a ski and structure including at least one member having an end portion height adjustably attaching a heel end portion of the boot to the ski, said height adjusting structure further comprising a track on one of the boot and the ski, said track being slidably engaged by said member end portion.

8. A mechanism for attaching a boot to a ski, the mechanism comprising structure for pivotly attaching a toe end portion of the boot to a ski and structure for height adjustably attaching a heel end portion of the boot to the ski, said height adjusting structure comprising a pair of members pivotly attached to the ski along a common pivot axis and having end portions, a screw for drawing said members together and apart, and a track structure on the boot for slidably engaging said end portions.

9. A mechanism according to claim 8 further comprising a pivot for laterally adjustably tilting the boot and at least one fastener for fixing the boot at a laterally adjusted position.

10. A mechanism according to claim 8 wherein each of said members has a width equal substantially to a width of the ski.

11. A mechanism for attaching a boot to a ski, the mechanism comprising a housing including structure for pivotly attaching a toe end portion of the housing to a ski and structure for height adjustably attaching a heel end portion of the housing to the ski, the mechanism further comprising a plate overlying said housing and to which the boot is

-22-

attachable, a pivot member attached to said housing and underlying said plate to effect pivoting of said plate laterally to adjust lateral position of a skier, and at least one fastener for fixing said plate at the adjusted lateral position.

12. A mechanism for attaching a boot to a ski, the mechanism comprising a plate having bindings for attachment of the boot thereto, means for pivotly attaching a toe end portion of said plate to a ski, means for height adjustably attaching a heel end portion of said plate to the ski, and an extension member attachable to an end portion of said plate for increasing plate length.

13. A mechanism according to claim 12 wherein said extension member is attached to a toe end portion of said plate.

14. A mechanism according to claim 12 further comprising at least one cutout in said plate for releasing snow from between said plate and the ski.

15. A mechanism according to claim 12 further comprising a pivot for laterally adjustably tilting said boot plate and at least one fastener for fixing said boot plate at a laterally adjusted position.

16. A kit for adjusting skiing height comprising a plate for attachment of a boot, means for pivotly attaching a toe end portion of said boot plate to a ski, means for height adjustably attaching a heel end portion of said boot plate to the ski, and a replacement ground engaging brake portion for attachment to a shank of a ski brake after a ground engaging brake portion thereof has been cut off for providing a brake length commensurate with a different heel end portion height

-23-

to which the heel end portion is adjusted.

17. A kit according to claim 16 further comprising an extension member attachable to an end portion of said boot plate for increasing boot plate length.

18. A method for adjusting skiing height comprising (a) wearing a boot having a toe end portion pivotly mounted to a ski, (b) adjusting height of a heel end portion of the boot to a different height relative to the ski, (c) cutting off a ground engaging portion of a brake for the ski, and (d) applying to a shank of the brake a replacement ground engaging portion providing a brake length commensurate with the different heel end portion height.

19. A method for adjusting ski brake height when heel height has been changed comprising (a) cutting off a ground engaging portion of the brake, and (b) applying to a shank of the brake a tubular portion of a member from which extends a replacement ground engaging portion providing a different brake length commensurate with the changed heel height.

20. A method for adjusting ski brake height when heel height has been changed comprising (a) cutting off a ground engaging portion of the brake, (b) applying to a shank of the brake a tubular member, (c) cutting a replacement ground engaging portion to a length commensurate with the changed heel height, and (d) applying the cut replacement ground engaging portion to the tubular member.